

In the Claims

Claims 1-14 (Cancelled)

15. (New) A method for storing data relating to a connection through a routing system in a checkpoint server comprising:

receiving connection information for a connection from a module in a routing system;

determining a connection identifier for said connection responsive to receiving said connection information;

embedding said connection identifier into said connection information; and

storing said connection information with said connection identifier into a space in said memory.

16. (New) The method of claim 15 further comprising:

detecting a new connection; and

generating a new connection identifier responsive to detecting said new connection.

17. (New) The method of claim 16 wherein said step of generating said new connection identifier comprises combining a source address and a destination address of said new connection.

18. (New) The method of claim 15 further comprising:
- receiving a request for data for said connection from a firewall application;
  - determining said connection identifier for said connection; and
  - retrieving all data stored in said memory that includes said connection identifier.
19. (New) A checkpoint server for storing data for a connection comprising:
- circuitry configured to receive connection information for a connection from a module in a routing system;
  - circuitry configured to determine a connection identifier for said connection responsive to receiving said connection information;
  - circuitry configured to embed said connection identifier into said connection information; and
  - circuitry configured to store said connection information with said connection identifier into a space in said memory.
20. (New) The server of claim 19 further comprising:
- circuitry configured to detect a new connection; and
  - circuitry configured to generate a new connection identifier responsive to detecting said new connection.

21. (New) The server of claim 20 wherein said means of generating said new connection identifier comprises circuitry configured to combine a source address and a destination address of said new connection.

22. (New) The server of claim 18 further comprising:  
circuitry configured to receive a request for data for said connection from a firewall application;  
circuitry configured to determine said connection identifier for said connection; and  
circuitry configured to retrieve all data stored in said memory that includes said connection identifier.

23. (New) An apparatus for storing connection information for a connection for a routing system comprising:  
means for receiving connection information for a connection from a module in a routing system;  
means for determining a connection identifier for said connection responsive to receiving said connection information;  
means for embedding said connection identifier into said connection information; and  
means for storing said connection information with said connection identifier into a space in said memory.

24. (New) The apparatus of claim 23 further comprising:  
means for detecting a new connection; and  
means for generating a new connection identifier responsive to detecting said new connection.

25. (New) The apparatus of claim 24 wherein said means for generating said new connection identifier comprises means for combining a source address and a destination address of said new connection.

26. (New) The apparatus of claim 23 further comprising:  
means for receiving a request for data for said connection from a firewall application;  
means for determining said connection identifier for said connection; and  
means for retrieving all data stored in said memory that includes said connection identifier.